When you are finished….

The following sequence is important and must be followed exactly

1) Remove the RED battery Clip from the battery positive terminal then the BLACK battery clip from the Battery Negative terminal.
2) Retract the solar panel legs and fold the legs flat.
3) Close the panels and secure the side latches, ensuring no cables are caught in any joints.

Specification

Folding unit Wattage	120 Watts	Regulator Type	**MPPT**
Nominal Battery Voltage	12 Vdc	Regulator Model	PS 2012 BC
Float Voltage	13.8 Vdc	Short Circuit	Protected
Maximum charging current	10 Adc	Overcharge	Protected
Dimension Closed (mm)	680(H) x 635(W) x 60(D)	Reverse Battery	Protected
Dimension Open (mm)	635(H) x 1270(W) x 50(D)	Battery Lead Fuse	15A Automotive Blade
Weight	10.5kg	Battery Lead	5M x twin 4mm^2 cable

GOODKIT
www.goodkit.com.au

120W Portable Folding Solar Panel

User manual

Congratulations on your purchase of a Good Kit Folding Solar panel. Your unit is fully assembled and factory tested, all you need to do is attach the battery cable to the battery.

These units are designed to charge a 12 volt battery and are suitable for Deep Cycle, Float and Automotive Cranking batteries of the following types.

- ✓ Flooded Lead Acid (wet)
- ✓ Gel Cell
- ✓ Spiral
- ✓ Sealed Lead Acid (vented)
- ✓ AGM

Danger: These units must not be used on batteries not designed to be recharged or batteries which cannot accept the charging current or charging voltages as per the specifications.

Features

Your Good Kit folding solar panel is one of the most sophisticated solar charging systems available and understanding the features will help you maximise its benefits.

- MPPT Regulator – The regulator is the "brains" of the system. Your solar panel is equipped a sophisticated ROC SOLID designed and built Maximum Power Point Tracking (MPPT) regulator. This provides up to 30% more charging current than conventional regulators. This performance is most evident in poor light or overcast situations when you really need to maximise what sun power is available.
- Solar panels - Efficient and reliable mono-crystalline construction.
- Adjustable angle - The panel has an adjustable stand to ensure the panel is positioned to face the sun, further maximising efficiency.
- All components are designed to withstand weathering and rust and are made of Glass, Aluminium, Stainless Steel or Plastic
- Pre-wired with Heavy Duty fused Battery Cable and Clips - The battery lead is made with oversized heavy duty cable (2 x 4sq mm) to minimise voltage drop during heavy charging. A 15Amp fuse is built into the cable at the clip end for extra safety and security.

Using your Folding Solar Panel

Where do I put it?

- North facing for Australia, New Zealand, South Africa (Southern Hemisphere) and South facing for Europe, USA, Canada (Northern Hemisphere)
- Less than 5 metres from the battery being charged
- The cable to the battery should not cross walkways, vehicle roads or access ways or be permanently immersed in water
- Clear view of the sky so that direct sunlight for the entire day is not blocked by buildings, vehicles, caravans or trees
- Reasonably flat ground

How do I set it up?

The following sequence is important and must be followed exactly

1) Release both latches from the side of the panel and open the unit fully
2) Hold the panels so that the legs are hinging from the top.
3) Adjust the legs so that the panel is supported and directly facing the sun's expected noon (mid day) position (if unsure, set the legs to any position and adjust later).
4) Connect the BLACK battery clip to the NEGATIVE terminal of the Battery, then the RED battery Clip to the POSITIVE terminal.

CAUTION: Recheck that the BLACK clip is connected to the NEGATIVE terminal and the RED clip to the POSITIVE terminal. Ensure the battery clips will not touch each other or any other object.

5) ill start charging automatically when there is sufficient sun. The MPPT regulator will automatically start and stop and control the charging when necessary. The unit is safe to leave connected over night or extended periods and will not drain the battery.